



**Secure and Safe**

**Fire Alarm and Security Systems**

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## Conventional Rate-of-Rise Heat Detector

**S2-CRD-200**

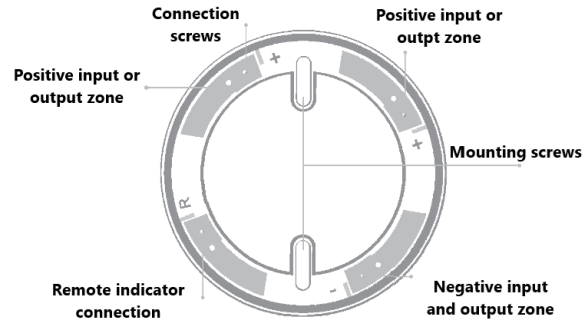
### Introduction

The S2-CRD-200 Conventional Rate-of-Rise Heat Detector can sense the ambient temperature and its rate of increase, it activated and notify a fire at temperatures above 65°C, or a rising rate of 8°C/min. This detector is suitable for places where smoke-producing materials are present under normal conditions.

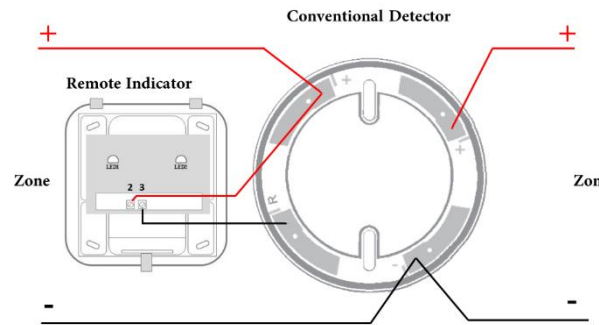
### Installation and Wiring

The various parts of the base are shown in the figure below:

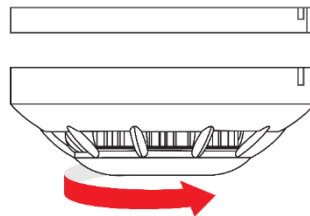
- Choose a suitable place for installing the detector.
- Pass the output wires of the conventional panel zone through the base and install the base to the wall using two screws.
- Connect the output wires of the zones to the metal contacts of the base according to their polarity as shown in the figure below.



- Ensure that the positive input and output wires are not connected to a common terminal. Connect them separately to the positive terminals as shown in the image below.
- The conventional detector can be connected to the conventional remote indicator. Refer to the diagram below to connect it to the remote indicator.



- Place the detector frame onto the base as shown in the image, aligning the markings on the frame with the markings on the base.
- Rotate the unit clockwise to lock it.



### Testing

- Connect the detector to the SENS conventional panel terminal.
- Power on the control panel.
- After the control center recognizes the detector, its indicator LED will start flashing.
- Place a heat source near the temperature sensor of the detector. After the temperature exceeds 65°C, the detector will send a fire alarm signal to the control panel, and the indicator LED will stay continuously lit until the panel is reset by the user.
- Disconnect the detector from the base in normal operating mode, the panel will trigger a fault alarm. After reassembly, the fault condition will be automatically cleared.
- A short circuit at the detector terminals will cause a fault condition on the panel.

### Testing and Operation

<b>Design Standard</b>	EN 54-5
<b>Detector Class</b>	A1R
<b>Operating Voltage</b>	27V
<b>Stand by consumption</b>	65µA
<b>Alarm State Current</b>	25mA
<b>Alarm Temperature</b>	65 °C
<b>Operating Temperature</b>	-10 to 70 °C
<b>Humidity</b>	95% (without condensation)
<b>Dimensions</b>	50×100 mm
<b>Weight</b>	100gr

### Warranty

Make sure this device is only used with a compatible control panel, and no destructive operations are performed on it, otherwise, it will not be covered by the warranty. Products must be regularly inspected, serviced, and maintained to ensure proper functionality.

### Troubleshooting

In case of any issues with the conventional fire alarm detector, troubleshooting and repair of the parts must be done by the after-sales service department of SENS company, or an authorized representative recommended by the company.

### Conventional system zone diagram

